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DATE: March 14, 2007

PTO IDENTIFIER: Application Number 09/684,122-Conf. #3208
Patent Number 6,965,696

Inventor: Mitsuru Tokuyama et al.

MESSAGE TO: US Patent and Trademark Office

FAX NUMBER: (571) 273-8300

FROM: EDWARDS ANGELL PALMER & DODGE LLP
David G. Conlin

PHONE: (617) 439-4444

Attorney Dkt. #: 55288(70904)

PAGES (Including Cover Sheet): 12

CONTENTS: Fax Transmission (1 page)
Certificate of Transmission (1 page)
Status Inquiry for U.S. Patent No. 6,965,696 (2 pages)
Transmittal form
Copy of Request For Certificate of Correction Pursuant to 37 CFR 1.322 filed 2/24/2006; copy of front page of US Patent No. 6,965,696, copy of PTO/S8/08/a.h and copy of Fax.
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PTO/SB417 (09-04)

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Application No. (if known): 09/684,122

Attorney Docket No.: 55288(70004)

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Status Inquiry for application 09/684,122 (1 page)

Fax Transmission (1 page)

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Copy of Request For Certificate of Correction Pursuant to 37 CFR 1.322

filed 2/4/2006; copy of front page of US Patent No. 6,965,696, copy of

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PTO/Sb/21 (05/06)

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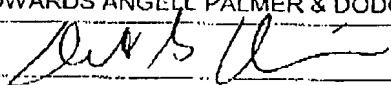
TRANSMITTAL FORM <i>(To be used for all correspondence after initial filing)</i>	Application Number	Patent#: 6,965,696
	Filing Date	Issued: November 15, 2005
	First Named Inventor	Mitsuru Tokuyama
	Art Unit	2624
	Examiner Name	P. L. Edwards
Total Number of Pages in This Submission	Attorney Docket Number	55288(70904)

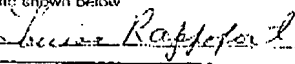
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Remarks: Copy of Request for Cert. Of Correction dated 2/24/06, copy of First page of US 6,965,696, a copy of PTO/Sb/08a/b showing 2 references not included on first page of patent, and copies of fax transmission papers dated 2/27/2006.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	EDWARDS ANGELL PALMER & DODGE LLP		
Signature			
Printed name	David G. Conlin		
Date	March 13, 2007	Reg. No.	27,026

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(PATENT)

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Dated: 3/14/2007

Signature: *Louise Rappaport*

(Louise Rappaport)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Mitsuru Tokuyama et al.

Application No.: 09/684,122

Confirmation No.: 3208

Filed: October 6, 2000

Art Unit: 2624

For: IMAGE PROCESSING DEVICE

Examiner: P. L. Edwards

STATUS INQUIRY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

It is respectfully requested that the attorney named below be advised of the status of the above-identified patent.

U.S. Patent No. 6,965,696 issued on November 15, 2005. Upon review of the title page of the patent it was noted the Patent Office had omitted the following two cited references from the References Cited section (56):

JP 10-098627 4/1998

JP 11-213152 8/1999

The references had been considered by Examiner Edwards during prosecution as evidenced by the enclosed initialed copy of Form PTO/SB/08a/b.

Application No.: 09/684,122

2

Docket No.: 55288(70904)

A Request For a Certificate of Correction Pursuant to 37 CFR 1.322 was forwarded to the Certificate of Correction Branch on February 27, 2006 (copy of documents enclosed) to which we have received no reply.

Dated: March 13, 2007

Respectfully submitted,

By 

David G. Conlin

Registration No.: 27,026

EDWARDS ANGELL PALMER & DODGE
LLP

P.O. Box 55874

Boston, Massachusetts 02205

(617) 439-4444

Attorneys/Agents For Applicant

FAX TRANSMISSION

DATE: February 24, 2006

PTO IDENTIFIER: Application Number 09/684,122-Conf. #3208
Patent Number 6,965,696

Inventor: Mitsuru Tokuyama, et al.

MESSAGE TO: Certificate of Corrections Branch

FAX NUMBER: (703) 308-6672

FROM: EDWARDS ANGELL PALMER & DODGE LLP
David G. Conlin

PHONE: (617) 439-4444

Attorney Dkt. #: 55288 (70904)

PAGES (Including Cover Sheet): 7

CONTENTS: Certificate of Correction (1 page);
Request for Certificate of Correction (No Fee) (2 pages);
Copy of first page of U.S. Patent No. 6,965,696 (1 page);
Copy of Initialed Form PTO/SI/08. (1 page); and a
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PTO/SB/97 (09-04)

Application No. (if known): 09/684,122

Attorney Docket No.: 55288 (70904)

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on 2/24 2006
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Docket No.: 55288 (70904)
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of:
Mitsuru Tokuyama, et al.

Patent No.: 6,965,696

Issued: November 15, 2005

For: IMAGE PROCESSING DEVICE

REQUEST FOR CERTIFICATE OF CORRECTION
PURSUANT TO 37 CFR 1.322

Attention: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Upon reviewing the above-identified patent, Patentee noted typographical errors which should be corrected.

On the title page of the patent, a copy of which is provided as an attachment hereto, the Patent Office has omitted cited references in the Reference Cited section (56). Please add the following cited references in the Foreign Patent Documents:

JP 10-098627 4/1998

JP 11-213152 8/1999

The patent was considered by Examiner Edwards during prosecution of the application as evidenced by the enclosed copy of Form PTO/SB/08 which has been duly initiated by Examiner Edwards.

The errors were not in the application as filed by applicant; accordingly no fee is required.

2735-07

Patent No.: 6,965,696

2

Docket No.: 55288 (70904)

Transmitted herewith is a proposed Certificate of Correction effecting such amendment. Patentee respectfully solicits the granting of the requested Certificate of Correction.

Dated: February 24, 2006

Respectfully submitted,

By 

David G. Conlin

Registration No.: 27,026

EDWARDS ANGELL PALMER & DODGE
LLP

P.O. Box 55874

Boston, Massachusetts 02205

(617) 439-4444

Attorneys/Agents For Applicant

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(Also Form PTO 1050)

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 6,965,696
APPLICATION NO. : 09/684,122
ISSUE DATE : November 15, 2005
INVENTOR(S) : Mitsuru Tokuyama, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

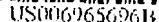
On the title page of the patent, Column 2, Item (56), please add the following cited references in the Foreign Patent Documents section:

JP	10/098627	4/1998
JP	11-213152	8/1999

MAILING ADDRESS OF SENDER (Please do not use customer number below):

David G. Conlin
EDWARDS ANGELL PALMER & DODGE LLP
P.O. Box 55874
Boston, Massachusetts 02205

5010 10



Tokuyama et al.

(45) Date of Patent: Nov. 15, 2005

(75) Inventors: Mitsuru Tokuyama, Soraku-gun (JP); Masatsugu Nakamura, Kashiba (JP); Mihoko Yamamura, Nara (JP); Masaki Ohtsuki, Yamatokoriyama (JP); Norihide Yatsuoka, Yamatokoriyama (JP)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 871 days.

(22) Filed: Oct. 6, 2000

Oct. 14, 1999 (M) H-291947

(62) U.S. Cl. 382/224; 382/226; 382/227;
382/229; 382/230

(58) Field of Search 382/173, 176

462, 466

U.S. PATENT DOCUMENTS

5,677,492 A	* 8/1997	Fujita et al.	358/21
5,892,582 A	4/1999	Atschi et al.	358/62
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6,111,975 A	* 8/2000	Sacks et al.	382/103

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JP	5-50187	7/1993
JP	10-271326	4/1998
JP	11-027517	1/1999
JP	11 069150	3/1999
JP	11-096372	4/1999

Office Action for corresponding application number 11-291947 from Japan Patent Office mailed Aug. 26, 2004 (4 pp.) and English translation thereof (8 pp).

* cited by examiner

Primary Examiner-- Leo Houdrean

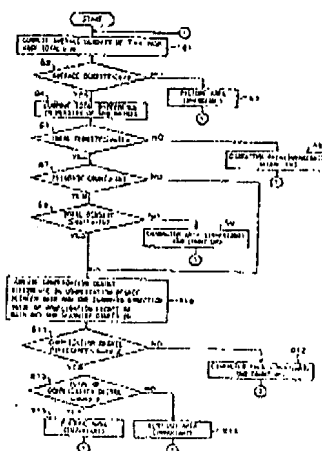
Assistant Examiner—Patrick Edwards

(74) Attorney, Agent, or Firm—Edwards & Angeli, LLP;
David G. Conlin; George W. Hartnell, III

(57) **ABSTRACT**

An image processing device of the present invention is provided with four kinds of sub masks in total including two kinds in a main scanning direction and two kinds in a sub scanning direction, in a main mask constituted by a plurality of pixels including a target pixel. In the image display device, when determining a target pixel of an inputted image data, a difference in a total density of the two kinds of sub masks in a main scanning direction is added to a normalized difference in total density of the two kinds of sub masks in a sub scanning direction, and a resultant value is compared with a threshold value so as to determine if the target pixel is an edge area or not.

18 Claims, 9 Drawing Sheets





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Substitute for form 1449/USPTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	1	of	1	Complete If Known
				Application Number
				09/584,122
				Filing Date
				October 6, 2000
				First Named Inventor
				Mitsuru Tokuyama
				Art Unit
				2621
				Examiner Name
				P.L. Edwards
				Attorney Docket Number
				55288 (70904)

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ²	Document Number Number Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ²	Foreign Patent Document Country Code ³ , Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
PL	BB	JP-10-098627	04-14-1998	Matsushita Electric Ind. Co., Ltd.		A
PL	BC	JP-10-271326	10-09-1998	Sharp Corp.		A
PL	BD	JP-11-027517	01-29-1999	Sharp Corp.		A
PL	DE	JP-11-069150	03-09-1999	Toshiba Corp.		A
PL	DF	JP-11-096372	04-09-1999	Omron Corp.		A
PL	BG	JP-11-213152	08-06-1999	Toshiba Corp.		A
PL	BH	JP-5-50187	07-28-1993	Unknown		A

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PL	CA	Office Action for corresponding application number 11-291947 from Japan Patent Office mailed 26 August 2004 (4 pp.) and English translation thereof (8 pp.)	

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Examiner Signature 428736		Date Considered	11-07-2004
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